



JFW/1731

PTO/SB/21 (04-07)

Approved for use through 09/30/2007. OMB 0651-0031

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

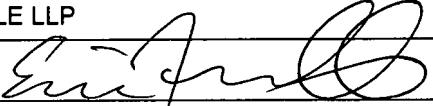
Total Number of Pages in This Submission

Application Number	10/583,381-Conf. #3135
Filing Date	June 19, 2006
First Named Inventor	Timo Varpula
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	43289-232639

### ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO/SB/08A W/ 15 CITED REFERENCES
Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	VENABLE LLP		
Signature			
Printed name	Eric J. Franklin		
Date	July 23, 2007	Reg. No.	37,134



JUL 23 2007

PTO/SB/17 (06-07)

Approved for use through 06/30/2007. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

<b>Effective on 12/08/2004.</b> <b>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</b>		<b>Complete if Known</b>	
<b>Fee Transmittal</b>		Application Number	10/583,381-Conf. #3135
<b>For FY 2007</b>		Filing Date	June 19, 2006
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		First Named Inventor	Timo Varpula
<b>TOTAL AMOUNT OF PAYMENT</b> <b>(\$)</b> <b>0.00</b>		Examiner Name	Not Yet Assigned
		Art Unit	Not Yet Assigned
		Attorney Docket No. 43289-232639	

**METHOD OF PAYMENT** (check all that apply)

<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card	<input type="checkbox"/> Money Order	<input type="checkbox"/> None	<input type="checkbox"/> Other (please identify): _____
<input type="checkbox"/> Deposit Account	Deposit Account Number: 22-0261			Deposit Account Name: Venable LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

<input type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments

**FEES CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		<u>Fees Paid (\$)</u>
	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description

Each claim over 20 (including Reissues)

<u>Fee (\$)</u>	<u>Small Entity</u>
50	25
200	100
360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>
21	- 21 =	x	=	

HP = highest number of total claims paid for, if greater than 20.

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
3	- 3 =	x	=

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

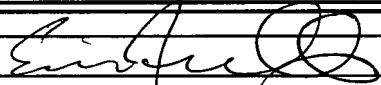
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
		- 100 = /50 = (round up to a whole number) x	=	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): \_\_\_\_\_

<u>SUBMITTED BY</u>				
Signature		Registration No. (Attorney/Agent)	37,134	Telephone (202) 344-4936
Name (Print/Type)	Eric J. Franklin		Date	July 23, 2007



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Varpula et al.

Art Unit: Not Yet Assigned

Application No: 10/583,381

Examiner: Not Yet Assigned

Confirmation No: 3135

Att'y Docket No: 43289-232639

Filed: June 19, 2006

Customer No:

26694

For: A RADIOFREQUENCY BASED SENSOR  
ARRANGEMENT AND A METHOD

U.S. PATENT AND TRADEMARK  
OFFICE

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants direct the attention of the U.S. Patent and Trademark Office to the references listed on the attached PTO/SB/08. Applicants respectfully request that the references be considered during the prosecution of this application, be made of record therein, and appear among the "References Cited" on any patent to issue therefrom. This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits.

The relevance of DE 101 28 010 is provided by the English translation of the abstract submitted herewith. WO 03/044521 corresponds to PCT/FI/00911 discussed in the specification.

The undersigned authorizes the Director to charge any fee deficiency to Deposit Account No. 22-0261, under Order No. 43289-232639.

Dated: July 23, 2007

Respectfully submitted,

By   
Eric J. Franklin

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Attorney/Agent For Applicant



Used in Lieu of PTO/SB/08A/B  
(Based on PTO 04-07 version)

Form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

1

### Complete if Known

Application Number	10/583,381-Conf. #3135
Filing Date	June 19, 2006
First Named Inventor	Timo Varpula
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	43289-232639

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AA	US-US2003/0200814-A1	10-30-2003	OH et al.		
AB	US-US2003/0161511-A1	08-28-2003	VERMESAN et al.		
AC*	US-5,443,987-A	09-02-1997	DeCICCO et al.		
AD*	US-5,663,072-A	09-02-1997	HONEYBOURNE		

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
BA	WO-03/044521-A1		05-30-2003			
BB	DE-10128010-A1		02-01-2003			
BC	WO-98/21120-A1		05-22-1998			
BD	WO-95/33991-A1		12-14-1995			
BE	WO-99/04256-A1		01-28-1999			
BF	WO-93/03920-A1		03-04-1993			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with a single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
CA		K.G. ONG et al.; Monitoring of bacteria growth using a wireless, remote query resonant-circuit sensor: application to environmental sensing; Biosensors Bioelectronics 16 (2001) pages 305-312.	
CB		K.G. ONG et al.; Design and application of a wireless, passive, resonant-circuit environmental monitoring sensor; Sensors and Actuators A 93 (2001); pages 33-43.	
CC		J. WAGNER et al.; Inductively coupled, polymer coated surface acoustic wave sensor for organic vapors; Sensors and Actuators B: Chemical, Vol. 76, Issues 1-3, June 2001, pp. 58-63.	
CD		KLAUS BECK et al; Inductively Coupled Surface Acoustic Wave Device for Sensor Application; IEEE Transactions on Ultrasonics, Ferroelectrics and Frequency Control; Vol. 45, No. 5, September 1998, pages 1140-1144.	
CE		JOHN C. BUTLER et al.; Wireless, passive, resonant-circuit, inductively coupled, inductive strain sensor; Sensors and Actuators A, 102 (2002); pages 61-66.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Date Considered
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